

## **TYPICAL SPECIFICATION**

### **QC<sup>®</sup> #2 Conveyor Belt Secondary Cleaner**

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The conveyor will be fitted with a belt cleaner installed against the bottom of the head (discharge) pulley (in the secondary cleaner position) to remove carryback. (If available space is not suitable for cleaner installation at the point where the belt is leaving the head pulley, the cleaning system shall be installed along the belt's return at a point where the belt is supported against an existing or added pulley or roller, to provide firm backing for cleaning pressure.)

This secondary cleaner will be composed of three-inch (76-mm)-wide urethane blades, each with a tungsten carbide tip. Cleaning blades will extend to three inches (76 mm) of the belt edge on both sides. To protect the belt edges, the outer blades on each side will be made only of urethane (without tungsten carbide).

The blades shall be fixed to a cartridge that slides into cleaning position on a steel tube mainframe. To replace the blades, the entire cartridge will be removed following the removal of one pin. The individual blades will not be replaceable by the end user; replacement blades will be available in full-width cartridges.

The cleaning blades and mainframe assembly will be supplied with a linear tensioner. The tensioner will have been designed in conjunction with the cleaning blades to minimize the need for adjustment. The tensioner will provide linear shock absorption, allowing the cleaning edge to move away from belt splices or other obstructions.

The supplier of the conveyor belt pre-cleaner and tensioner system will be ISO 9001 quality system certified.

The conveyor belt secondary cleaner and tensioner system shall be a QC<sup>®</sup> #2 Secondary Belt Cleaning System, as supplied by Martin Engineering, Neponset, Illinois.

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